



— Y-12 BULLETIN

A Newspaper For Y-12 Employees of Union Carbide Corporation—Nuclear Division

VOL. 20 — NO. 33

OAK RIDGE, TENNESSEE

Wednesday, August 24, 1966

Union Carbide Extends Contract 3 Years With AEC

A contract with Union Carbide Corporation for the operation of four Atomic Energy Commission installations has been extended for three years by the AEC.

The current contract has been modified to provide for operation through June 30, 1970. The contract is of the cost-plus-fixed-price type.

Union Carbide, which has been an operating contractor for the atomic energy programs since January of 1943, currently is responsible for programs conducted at the Oak Ridge and Paducah, Kentucky, gaseous diffusion plants; for Y-12 and the Oak Ridge National Laboratory, here in Oak Ridge.

The work covered under the three-year extension is estimated to cost an average of \$268,000,000 annually. The production and research and development programs are conducted in AEC facilities representing an investment of approximately \$2,270,000,000, with employment of more than 13,000.

Enriched Uranium Plants

The Oak Ridge Gaseous Diffusion Plant and the Paducah plant produce enriched uranium for both national defense and civilian use and conduct associated process development and plant test programs. ORGDP was the first plant of its type in the world when built during World War II, and its output was essentially all for national defense programs. The original plant was expanded in subsequent years. Currently, an increasing amount of the plant output is being shipped to private industry for further processing into fuel for the growing nuclear power industry in the United States and abroad. Around 2,500 people are employed at the K-25 plant, which includes Union Carbide's central staff in addition to those involved in direct plant operations.

The construction of the Paducah plant was started in 1951 with additional plant units under an expansion program starting the following year. The first units of the plant came "on stream" in 1953 and the total plant was in operation by late 1954. The plant employs about 1,065.

Y-12 Facilities Adapted

Y-12 was originally constructed for the enrichment of uranium by the electromagnet process, but production was discontinued in 1947 when the gaseous diffusion method proved to be more efficient. The facilities were converted for other uses, and currently a major part of Y-12 is being used for production related to nuclear weapons. The plant has the capability for separation of lithium isotopes, performs the separation of stable isotopes, and provides extensive support to the programs of Oak Ridge National Laboratory and other government installations. Employment in Y-12 is at about 4,450.

ORNL, established in 1943 as one of the original atomic energy installations, conducts research and development in virtually all major program areas of the AEC. The Laboratory programs range from basic mathematics to heavy chemical engineering, from basic biology to metallurgy, with much of the effect associated with reactor development and chemical processing. In addition, ORNL carries out basic and applied re-

search programs for other government agencies through inter-agency agreements with the AEC. These include cancer research and the efforts to develop more economical methods of desalination through large-scale conventional or nuclear power plants. Employment at ORNL is about 5,000.

Engineers' Exam Time Draws Nigh

The Oak Ridge Chapter of the Tennessee Society of Professional Engineers reminds all engineers that registration examination time is approaching.

The Tennessee State Board requires that all applicants for State License Examinations, to be held in Knoxville this fall, must have their applications in the hands of the Board by September 30.

The Tennessee State Examination for Professional Engineering Registration is held twice yearly. The May examination was held in Nashville, and the October one will be held in Knoxville.

William Halchin, P. E., president of the Oak Ridge Chapter, urges all engineers to avail themselves of the opportunity to obtain their State Licenses in order that he may welcome them into the Society.

He stresses the point that the Society of Professional Engineers is a strong force in deterring the "obsolescence" that has been appearing in recent technical literature by encouraging its members to keep abreast of the technical developments in their branch.

Halchin feels that the Society can render assistance to young engineers in developing their professional careers.

He points out that the S.P.E. is composed of professionals in all branches of engineering and that it maintains close liaison with all Technical Engineering Societies.

Anyone wishing additional information concerning Professional Registration or the Society of Professional Engineers should contact Halchin at 3-7940, or Oak Ridge 483-9769, or O. A. Kelley, extension 3-1238, or 483-5450.

SAFETY SCOREBOARD

**The Y-12 Plant Has
Operated
Six Days Or
166,000 Man-Hours
Through August 21
Without A Disabling
Injury
Phone 3-7755
(Unofficial Estimate)
For Daily Report
On Accident-Free Hours**



TRANSCRIBING A RECORDED ORDER, Evelyn Goodson 'mans' the 'Nye-Matic' order-by-phone machine. It's simple now . . . just dial 3-5914 . . . tell the machine who you are and what you want (added details below)!

Stores Department Initiates 'Shop By Phone' Service To Expedite Delivery Of Materials

"Ordering by phone" is the latest fashion in Y-12. It's not that we've gone into the department store business, it's just that requisitioning stores for delivery has been streamlined.

Since the plant's inception, ordering material from Stores has often been an ordeal of time, wearing-thin of patience, and even sometimes finding the need for the material gone by the time it was delivered. Several plans have been introduced to expedite delivery of material in the sprawling three and one-half-mile long plant.

Sub-stores located in strategic areas of the plant were a partial answer. The plant was divided into six areas and a truck scheduled to cover all locations in each area having material needs five times per day at approximately one and one-half hour intervals. Data-Fax transmitters were installed in five heavy usage locations with receiving units in Main Stores for transmitting materials requirements. All other areas had material request boxes installed in central locations for material requisitioning. This method was a tremendous improvement on manpower savings and improved the service in the Data-Fax served areas. Still, a large part of the plant served by this service, suffered under delayed deliveries, sometimes as long as three hours at a time.

Telephone To Rescue

Materials and Service Division administrators knew the final answer lay in the telephone . . . but resorting to the telephone meant tying up lines and would require the addition of several phone operators.

A "Nye-Matic" machine has been chosen to take over the "phone order" business. It was



MAOLA CONNER, STORES, places an order to the automatic recorder. The order is typed and by assembly-line gets to the proper source for quick delivery. The new system is to be used for "Rush" items only.

recently installed at the Main Stores Office, Building 9702-8, and is now in service for the entire reaches of our stretched-out plant.

The procedure is simple. All you have to do is dial 3-5914 . . . wait for a modified dial tone, then start giving your request in the following sequence:

1. Who is authorizing the request.
2. Department Number.
3. Badge number of requisitioner.
4. Station or Building Number.
5. Telephone Number.
6. Catalog Number.
7. Charge or Work Order.
8. Quantity.
9. Unit of Issue (each, box, carton, etc.).
10. Brief Description.

Any number of Stores catalog items may be ordered without repeating the basic accounting and delivery information (steps one through five). The description should be brief with just the noun . . . such as bolt, wrench, folder, pencil, etc. It is suggested that you fill out a Form 3140C . . . then read it over the telephone.

(A word of caution: If you pause as long as 30 seconds while placing your order, you are automatically cut off!)

When you have completed your order, say "End of Order," and hang up.

Items Not In Y-12

Should you need an item that is not listed as stocked in Y-12 Stores, but is a catalog item at

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The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

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Industrial
Editors' Association

American Association Industrial Editors

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A. D. Hickey Rites Held In Kingston

Death came to Mr. Albert D. Hickey, General Machine Shop, Saturday, August 13.

Mr. Hickey, who came here January 22, 1951, had done machinist's work in his native Columbus, Mississippi, Gadsden, Alabama and Bremerton, Washington. He was a veteran of the U.S. Navy, serving from 1943 until 1945.

The Hickey home is at 814 Rosedale Avenue, Kingston.

Survivors include his wife, Mrs. Katherine Chenault Hickey; a daughter, Patricia Ann Hickey, Oak Ridge; two sons, LeRoy D., with the U.S. Air Force in Southeast Asia, and Andrew, Kingston; sisters, Mrs. Gladys H. Osburn, West Point, Mississippi; Mrs. Helen H. Holladay, Mrs. Ellen H. Hildreth, and Miss Frances Ann Hickey, all of Columbus; brothers, Ralph Hickey, Chester, South Carolina; and William and Roscoe A. Hickey, Columbus, Mississippi.

Funeral services were held Wednesday, August 17, at 2 p.m. at the Kingston Methodist Church. The Reverend Floyd C. Davis officiated. Burial followed in the Oak Ridge Memorial Park.

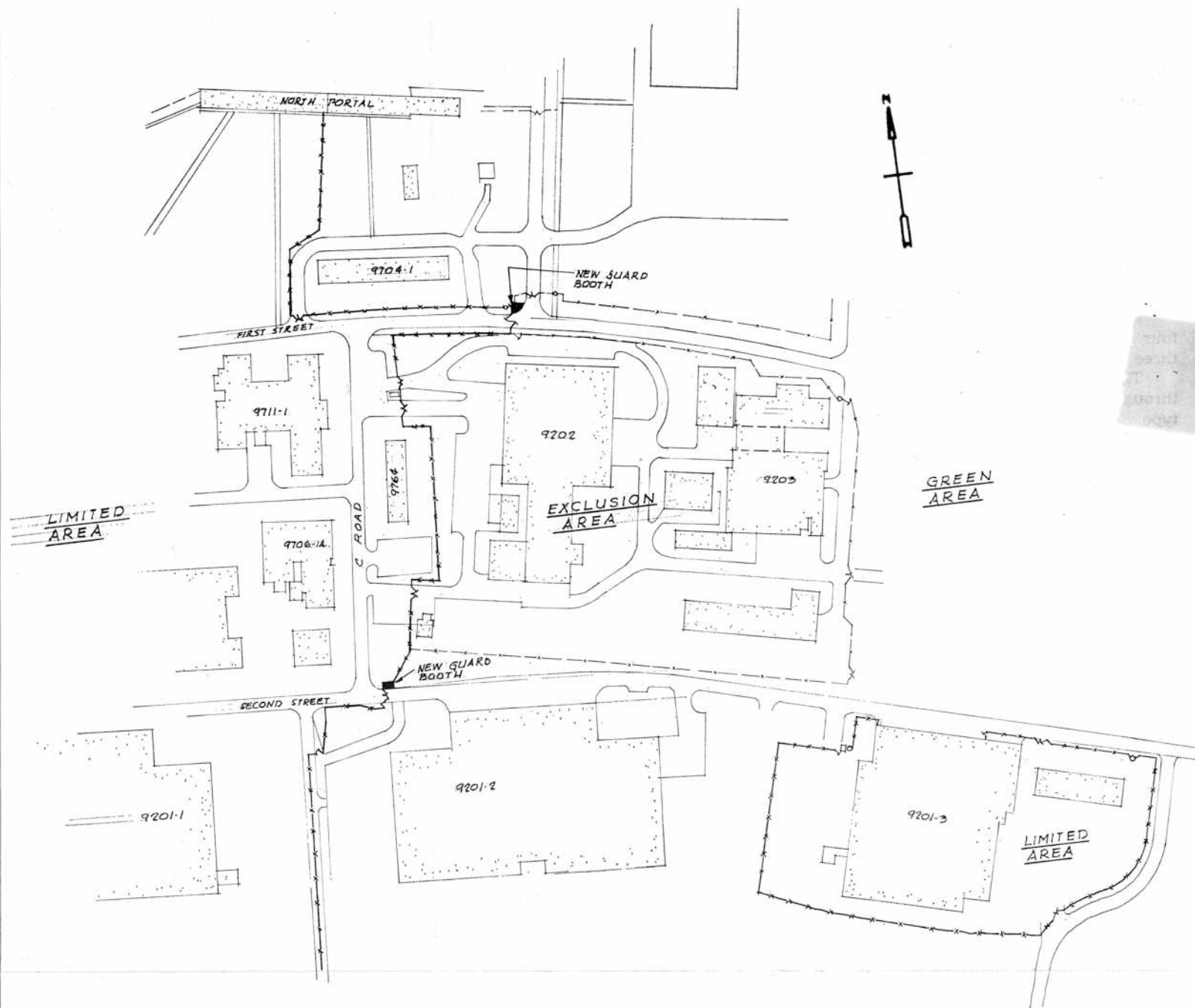
Sincere sympathy is extended the Hickey family.

New Voices Paged By OR Chorus

Director Franklin Choset and officers of the Oak Ridge Chorus have completed plans for the upcoming season. They also announce the date of the first rehearsal set September 12, 7:30 p.m. in the choral room of the Oak Ridge High School. The music for the December 10 concert will be distributed for first reading. For this concert, two short sacred works will be performed: "For Unto Us A Child Is Born" by J. S. Bach, and the Faure Requiem, as well as another selected contemporary work.

The second concert, set for February 11, will present works of great interest by Shutz, Bruckner and Hindemith. On April 15, Chorus and Orchestra will combine to bring to Oak Ridge Mendelssohn's great oratorio, "Elijah."

It is hoped that many singers will join the Chorus this year so that full justice may be done to this fine musical program. A warm invitation is extended to all singers in the area, both former members and newcomers, to join in this endeavor.



SEPTEMBER 1 IS THE TARGET DATE for the new alignment planned for the Eastern end of the plant. The above map delineates the new perimeters, showing areas planned for new guard posts, and the new fences. The non-security area is being remapped to allow uncleared and non-citizen personnel to enter

that portion of the plant when necessary on official business without escort. White-bordered badges will be issued uncleared users of the non-security area. These badges will not be honored within the Y-12 proper area, the "Q" area, except that the wearer is under escort.

Los Angeles To Build Nuclear DeSalting Plant

Agreement to construct the world's largest nuclear fueled desalting and electric power plant in the Los Angeles area has been announced by the Department of Interior and the Atomic Energy Commission.

The proposed plant will produce 150 million gallons of fresh water daily along with 1,800 megawatts of electric power. Participants in the agreement, along

with the governmental agencies, were the Metropolitan Water District of Southern California and the electric utilities in the Los Angeles area.

President Johnson cited the agreement as a dynamic step forward in the development of processes for the economical conversion of saline waters for beneficial consumptive use and that the proposal was of paramount importance in the effort to find new ways and means of conserving and increasing the water resources of the nation.



DONALD E. PERKINS JR. HOLDS his new brother Lewis Kevin, born August 2, and weighing seven pounds, one ounce. The proud papa Don E. Sr. is in Beta Four Machining.

NucleART Is Seeking Oils

Introducing NucleART! Interested? Amateur artists who are in the nuclear field are invited to show paintings at NucleART, held in conjunction with AtomFair '66. AtomFair '66, the twelfth international trade show of the nuclear industry will be held in the Civic Arena, Pittsburgh, Pennsylvania, November 1-3.

Anyone wishing to participate in NucleART should contact the Oak Ridge Community Art Center, Oak Ridge telephone 482-1182. Submissions are limited to paintings, and the artist must be engaged in some aspect of the nuclear field.

The paintings will be viewed by colleagues in the nuclear industry who will be attending the Annual Conference of the Atomic Industrial Forum and the annual winter meeting of the American Nuclear Society. A panel of other nuclear-oriented men and women will judge the paintings. Detailed rules and regulations may be obtained from the ORCAC.

Miami's Hirschberg Is Thermonuclear Speaker

Dr. Joseph G. Hirschberg, University of Miami, Coral Gables, Florida, will be guest speaker at this week's Thermonuclear Division seminar. His subject will be "Applications of the Fabry-Perot



Will join car pool from Crestwood Hills section, Knoxville, to North or Central Portal, straight day. Bob Wesley, plant phone 3-7323.

Riders wanted from South Knoxville area via Solway to any portal, straight day. W. H. Sherrod, plant phone 3-7077, home phone Knoxville 577-0295.

Car pool member wanted from Fountain City area, Knoxville, to any portal, straight day. Jack Thurman, plant phone 3-7772, home phone Knoxville 687-3908.

Lost-Time Accident Recorded August 15

A crushed finger, which later resulted in amputation at the hospital in Oak Ridge, accounts for Y-12's fifth lost-time accident of the year. The mishap occurred Monday, August 15.

The accident brought to an end the current string of 72 days, or approximately 1,992,000 man-hours worked without a disabling injury.

Interferometer to Plasma Diagnostics."

The seminar is set for Thursday, August 25, at 9 a.m. in the TD conference room, Building 9201-2.

Big Braves Keep Up Winning To Stay Atop Softball Competition

Y-12's Braves still barely lead the Softball League . . . mere points ahead of contenders from ORNL . . . the Red Devils and the Isotopes-Reactor team.

Action began last week as the K-25 Mets smothered the Y-12 Fireguards 23 to 3 . . . out-hitting them two to one. John Keith poled a homer for the winning team . . . Mac Wright poled a lone homer for the Fireguards. Innings five and seven were the big ones for the winners as they earned eight and seven runs respectively.

ORNL's Red Devils stayed in championship contention by playing the Y-12 Falcons 17 to 6. Jim Chesney, Charlie Dunn and Milford Payne were big heroes for the Devils . . . all with a four-bagger apiece. Ted Burger ran out one for the losing team.

Isotopes-Reactor romped over the ORNL Peanuts in final play Tuesday night 27 to 2. Herman Thomas and Roy Nabors cleaned the bases with two home runs . . . Jerold Alton earned one. Bill Gray poled a single home run for the losing squad.

Six Games Wednesday

Wednesday was "bank-night" for the league as six games became record . . . playing the make-up games put off by the rainy season.

Action at Pinewood saw the K-25 Sports fall to the Y-12 Falcons 6 to 1 . . . scoring only in the second inning. The Falcons out-hit the Sports 11 to 3 . . . rallying in inning one, two and six.

Health Physics trimmed the Clowns 12 to 6 in Pinewood's second game, despite home runs by L. C. Manley and Elbert Carton. The HP group batted out a total of 17 hits to the Clowns' 11.

The big Mets . . . X-10 and K-25's collided for final action at Pinewood Wednesday. The K-25 Mets proved their mettle . . . by winning 15 to 10 . . . keeping their standings at 11 wins and three losses. Almost everybody on the K-25 team poled a long four-base hit . . . Wesley Peters, two, Steve Cates, Bob Cooper, George Plunk, Bob Henderson and Bill Schellinger all with one.

Action At Oakwood

Meanwhile over at Oakwood . . . the Y-12 Braves kept their atop-the-heap standings by edging by the Bio team 6 to 2. Jim Milligan earned a triple for the top-seeded team . . . the only big

hit of the game. The Braves knocked 11 hits to the Bio's 10.

Another Y-12 team earned laurels at Oakwood as the Eagles nailed the Naughts down 21 to 7. Trig Myhre tallied a triple for the winners . . . John Jones and Marv Payne for the losers.

The last game at the make-up park saw Y-12 Big Shops edge by the Sluggers, ORNL, 7 to 6 . . . although the Sluggers poled 11 hits to the BS team's 8.

Bob Cain homered for the losing team.

Thursday Rains!

The only game played Thursday (before the rains came!) pitted the Bat Boys, Y-12, against the K-25 Sports. The K-25 combo took the decision 8 to 6 . . . despite the BB's excellency in hitting . . . 12 hits to 9 for the Sports.

George Reece and Al Stanton homered for the losing team . . . Dave Fulton for the victorious one.

(Make-up games remain for two which were scheduled for last Thursday.)

League standings follow:

Team	W	L
Braves, Y-12	13	1
Red Devils, ORNL	12	1
Isotopes-Reactor, ORNL	13	2
Health Physics, ORNL	11	3
K-25 Mets	11	3
Eagles, Y-12	10	5
Bat Boys, Y-12	8	7
K-25 Sports	7	6
Bio, ORNL	7	7
Clowns, ORNL	6	8
X-10 Mets	6	8
Ecobums, ORNL	5	8
Naughts, ORNL	5	9
Falcons, Y-12	5	10
Sluggers, ORNL	4	11
Peanuts, ORNL	3	12
Big Shops, Y-12	3	12
Fireguards, Y-12	0	14

Bowling Gears Leagues For September Debuts

A line-up of bowling teams . . . their status and beginning dates will be published in next week's Bulletin. If you want to join a team, or enter one, in any one of the leagues, give Recreation a ring at 3-7109 . . . there are some available openings . . . but not many. You can at least get listed as a sub.

Starting times will be given for each league next week . . . as action readies on the alleys for four big Y-12 leagues.

AH, WILDERNESS

You don't fully realize the hardships of our pioneers until you remember that they plodded their way westward in the setting sun — without sunglasses!



PRESENTING THE POWELL LIONS of the Powell Little League. The Lions have won 18 straight games and beat the all-stars in the rest of the league, two games running. Sitting in the front row are Doug McConkey, Ricky Mayes, Paul Car and Mike West. Kneeling in the second row are Chuck Mason, Fred Sisk, Jimmy Smith, (son of Gaines Smith, Y-12 Inspection, assistant coach of the team) and Mickey Stanaland. In the third row are Rodney Stevens, David Hiltz, Benny Overton, Mike McConkey and Steve Fritts (son of Sid Fritts, Alpha Five Machining, assistant coach of the team). In the back row are Marvin West, manager, former Y-12 employee and C. A. Stanaland, coach, Beta Four Assembly.

Recreation



Saturday, August 27

GOLF TOURNAMENT, 6:30 a.m. (Final contest of the year). Southwest Point Golf Course, Kingston.

Monday, August 29

SOFTBALL LEAGUE, beginning 6:30 p.m. Pinewood Park. Peanuts vs. Big Shops; K-25 Sports vs. Clowns; Ecobums vs. Braves.

TENNIS LEAGUE: To be arranged by individuals by schedule.

Tuesday, August 30

SOFTBALL LEAGUE, beginning 6:30 p.m. Pinewood Park. Peanuts vs. Big Shops; K-25 Sports vs. Clowns; Ecobums vs. Braves.

PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gymnasium.

Thursday, September 1

SOFTBALL LEAGUE, beginning 6:30 p.m. Pinewood Park. Red Devils vs. Bat Boys; Sluggers vs. Fireguards; Eagles vs. Bio.

PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gymnasium.

Monday, September 5

LABOR DAY—Holiday for Y-12ers.

Rains Slow Horseshoe And Tennis Competition

The rains came . . . again. That's the word from the Horseshoe League this week.

Tennis action was slowed almost to a halt also as the region experienced a late monsoon season.

Action will be reported . . . when there is any.

Citizens Have Duty To Country

The Canons of American Citizenship, drafted by the American Bar Association is well worth reading. It goes: **EVERY AMERICAN CITIZEN SHOULD RECOGNIZE THE DUTY TO:**

1. Uphold the laws of the United States, and the states and communities.
2. Defend our country from invasion and our government from overthrow by force, violence, or subversion.
3. Encourage respect for law and order and insist upon solutions of differences and grievances by processes of law and never by resort to violence or other unlawful means.
4. Support those charged with the enforcement and administration of our laws; voluntarily act as a witness and serve as a juror.
5. Harbor no prejudice against anyone because of race, religion or national origin.
6. Maintain pride in family, heritage and church as well as in community, state and nation.
7. Keep informed on issues and candidates, and vote in every election.
8. Respect the rights and opinions of others.
9. Participate in religious, charitable, civic, educational or other activities to promote the welfare of the community.
10. Acknowledge that "responsibilities" are as important as "rights" in the preservation of freedom and justice.

The above tenets are something we might pass on to our off-springs also.

DaVinci Started Contact Craze Way Back When

The theory of using contact lenses to improve eyesight was advanced by the renowned inventory and artist Leonardo DaVinci in 1508.

Golf Tournament Set At Southwest Point

Golfers, attention! Your tee-off time for Saturday's tournament will be telephoned tomorrow, Thursday, August 25, to your foursome leader.

You might remember these facts, too, about the Southwest Point course . . . Kingston. There are no motorized carts for rent on the course . . . about six pull carts there for rent. So, a word to the wise . . . bring your own carts, or caddies . . . and make it 20 minutes before tee-off time.

DeVaneys Enjoy Son's Visit Home



Pvt. Floyd E. DeVaney

The J. E. DeVaney family recently enjoyed a visit from their son, Private Floyd E. DeVaney, now with the United States Marine Corps.

Pvt. DeVaney has completed his basic training at Camp Le Juene, North Carolina, and has returned to Camp Pendleton, California, for advanced training. He is married to the former Gail East, also of Rockwood.

The marine's father is in Y-12's Alpha Five Machine Shop. The DeVaney home is at 402 John Street, Rockwood.



Loose
Talk
Can
Destroy

SECURITY

**UNION CARBIDE CORPORATION
NUCLEAR DIVISION**

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**BULK RATE
U.S. Postage
PAID
Oak Ridge, Tenn.
Permit No. 71**


As August and Summer wane, more Y-12ers observe important milestones with Union Carbide Corporation. Congratulations.

20 YEARS

Henry F. Plyman, Buildings, Grounds and Maintenance Shops, August 24.

Clyde W. Craven, A-2 Shops, 9212, August 27.

15 YEARS

James W. Mitts, Buildings, Grounds and Maintenance Shops, August 24.

Fred L. Alexander, H-1 Foundry, August 27.

Melvin L. Chandler, Process Maintenance, August 27.

Ray N. Stewart, Microreproduction and Engineering Services, August 27.

Kenneth E. Parter, Research Services, August 27.

Chester Spradlin, Chemical Services, August 27.

Leonard Nation, SS Warehousing and Shipping, August 29.

Jack H. Pebley, Chemical Services, August 30.

William H. Hubbs, 9215 Rolling Department, August 30.

Jack D. Bounds, Casting Department, August 30.

10 YEARS

Everett C. Alfred, Research Services, August 26.

William E. Weathersby, Engineering Mechanics, August 27.

Graydon H. Lovely, Timekeeping Department, August 27.

Sevin Shipment To Middle East

A huge overseas shipment of Sevin insecticide to India and the United Arab Republic has just been announced by the Union Carbide International Company. The product is being transported overseas from Baltimore and Philadelphia via five freighters.

The shipment of Sevin for India and the UAR is large enough to require 40 railroad cars and 83 trailer trucks to transport it to the docks.

Dr. E. R. Marshall, Marketing Manager, Agricultural Products, explains the several reasons for the large orders. "India is an agricultural nation of more than 400 million people crowded into an area slightly less than 30 per cent as big as the United States," he said. "The problem of producing enough food is a staggering one, and Indian government officials are doing their utmost to increase production on available farmland. They are stressing education of farmers, improved cultural practices, and better use of pesticide, fertilizer and irrigation techniques."

Sevin insecticide was chosen by the Indian and UAR governments because it can be used effectively to control insects on more than 200 different crops and yet can be applied safely by farmers who spray or dust with primitive as well as the most modern equipment. Sevin, a carbamate, is lower in toxicity to humans and animals than many of the commonly-used chlorinated hydrocarbon and phosphate insecticides. It can be used on major Indian crops such as cotton, rice, peanuts, tea, tobacco, flax, wheat and other grains.

The use of Sevin to help relieve India's chronic food shortage is another illustration of the world-wide nature of Union Carbide's business.



STORING THE RECORDED ORDERS is this peculiar-looking contraption . . . a part of the Nye-Matic telephone recording order procedure now in effect for Y-12. The next time you're in a hurry for something from Stores, just give 3-5914 a ring . . . and when the dial tone changes . . . start talking.

'Shop By Phone' Service

Continued from Page 1
ORGDP or ORNL, please request separately from Y-12 orders and note the plant stocking the item in your request. Other special instructions, such as "Emergency Order," "Please deliver today," "Call if out of stock," may be recorded by the requestor, and the request will be transcribed with the order and honored by the Materials Department.

Orders for Class 03 materials (Bulk chemicals and gases) and Class 11 (Oils) should be placed by calling 3-7956 as in the past. Items that require an authorized signature (goatskin gloves, precious metals, etc.) should be ordered by mail, as always. When time permits, any order should be placed by mail.

The "order by phone" system is designed primarily for rush items.

Red Ball Express

Delivery of Stores material, except bulk supplies and chemicals, is being handled by the Dispatching Department's "Red Ball" system serving those buildings under the Red Ball. Stationery stores deliveries to buildings not served by Dispatching will be made on Tuesdays and Thursdays only.

The "Nye-Matic" machine consists of three banks of tapes tied into a rotary telephone (consequently, the caller should not get a busy signal).

Urethane Insulation Reduces Heat Costs

Wall panels only two inches thick but with the insulating value of 10 feet of concrete are one of the newest innovations of chemical progress. Key to their super-insulating qualities is rigid urethane foam which is foamed in place between sheets of galvanized steel or aluminum. Although such wall systems are non-load-bearing they have many benefits. They are lightweight, frameless, fireproof, attractive, maintenance free, have good weatherability, provide high thermal and vapor resistance, and reduce heating and air conditioning costs.

SECURITY IS DEVELOPMENT

"Security is not military hardware — though it may include it. Security is not traditional military activity — though it may encompass it. Security is development. If security implies anything, it implies a minimal measure of order and stability." Robert S. McNamara.

Instructions for placing orders are being distributed to all employees this week. It is suggested that the instruction sheet be placed in the plant telephone directory.



J. C. JERNIGAN, PHOTOGRAPHIC DEPARTMENT, receives his Master of Photography degree from Hugh W. Tribble, president of the Professional Photographers of America, Inc., center. At right is Joe's sponsor, Phil Tarver, with the Aero Company, Tullahoma. The degree is the highest honor a photographer can receive in this country.

Photography's Jernigan Is Awarded 'Degree' At PPA Chicago Conference

J. C. Jernigan, supervisor of ORNL's Photographic Department in Y-12, was recently named a Master of Photography by the Professional Photographers of America, Inc.

The Master of Photography degree is one of the highest honors that can be accorded a professional photographer, and represents the topmost level of professional attainment.

A total of 45 MP degrees were conferred at the PP of A's annual awards banquet in the Conrad Hilton Hotel, Chicago.

The degree entitles the holder to add the initials M. Photog., after his name, and is accompanied by a medallion and gold ribbon symbolic of the honor.

To earn the degree, a member must accumulate 25 merit points obtained by having his work selected for exhibition, serving in PP of A offices, serving on the faculty of Winona School of Professional Photography and by otherwise serving his profession.

The awards banquet climaxed the 75th International Exposition of Professional Photography, sponsored by the PP of A in connection with the organization's annual convention. The 86-year-old organization has 8,900 members, making it the largest and oldest organization of its kind.

In conjunction with this year's convention the PP of A dedicated its new national headquarters in Des Plaines, Illinois, first permanent home of professional photography anywhere in the world. The headquarters house Photography Hall of Fame, where the pioneers and great practitioners of the art will be honored.

Joe lives at 101 Wayne Place, Oak Ridge, with his family. He was sponsored for the Master of Photography degree by Phil Tarver, a photographer for the Aero Company, Tullahoma.

Many Glaucoma Victims Are Unaware Of Illness

More than 1,392,000 Americans over the age of 40 have glaucoma and half of them do not know it, warns the National Society for the Prevention of Blindness, Inc. Glaucoma, the "sneak thief of sight," may result in blindness unless detected early and treated continuously.



THE ONLY GRANDCHILD of H. A. Sinclair, Research Services, poses happily for the camera. Dawn Michelle Oglesby lives in Columbia, South Carolina, with her parents Mr. and Mrs. Donald E. Oglesby. Her mother Patricia was formerly associated with the Oak Ridge Mental Health Center. How about that smile?

Consumer Products Names President

James F. Warnell has been appointed president of the Consumer Products Division of Union Carbide Corporation, according to an announcement from Birny Mason Jr., chairman of the board.

Warnell has been with the corporation since 1933. He served in various capacities in the consumer sales organization of the National Carbon Company, predecessor of the Carbon Products and Consumer Products Divisions. He became general sales manager of the Consumer Products Division in 1959. He was appointed vice president of sales in 1960, vice president and administrative assistant to the president in 1961, vice president of marketing in 1963 and executive vice president in 1964.

Union Carbide's consumer products sales were over \$200 million in 1965. Its Consumer Products Division markets more than 450 different types of batteries under its Eveready trade mark for use in flashlights, hearing aids, radios, television sets, photoflash units, toys, and a variety of cordless appliances. The division also sells Prestone anti-freeze and about 30 other car-care products, "6-12" insect repellent, Linde emergency oxygen and Glad plastic food wrap, bags and straws.

Can the classified talk!